

What Is Claimed Is:

1. A method for determining a level of antioxidant in a liquid sample comprising the steps of:
- contacting the sample with an aqueous solution of elemental iodine and an iodophor to form a mixture; and
- measuring a change in a concentration of iodide ions in the mixture wherein the change corresponds to the level of antioxidant.
2. The method of Claim 1, wherein the iodophor is polyvinylpyrrolidone.
3. The method of Claim 1, wherein the step of measuring measures an increase in the concentration of iodide ions by means of an ion selective electrode.

1 *Sub A2* 4. A method for determining a level of antioxidant in an
2 aqueous liquid sample comprising the steps of:

3 contacting the sample with an aqueous solution of elemental iodine
4 and polyvinylpyrrolidone to form a mixture; and
5 measuring an increase in a concentration of iodide ions in the
6 mixture by means of an iodide selective electrode wherein
7 the increase corresponds to the level of antioxidant.

1 5. A method for determining a level of antioxidant in an sample
2 comprising the steps of:

3 contacting the sample with a solution of elemental iodine; and
4 measuring a change in a concentration of iodide ions, wherein the
5 change corresponds to the level of antioxidant.